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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/751,551	01/05/2004	Tal Cohen	FOM-140.01	2397	
25181	7590 06/02/2005		EXAMINER		
FOLEY HO	•	SHRIVASTA	SHRIVASTAV, BRIJ B		
	OUP, WORLD TRADE	ART UNIT	PAPER NUMBER		
155 SEAPORT BLVD BOSTON, MA 02110			2859		
			DATE MAILED: 06/02/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicat	ion No.	Applicant(s)	(AM)				
Office Action Comments		10/751,5	551	COHEN ET AL.	(V.				
	Office Action Summary	Examine	er	Art Unit					
		Brij B. Sh		2859					
Period fo	The MAILING DATE of this communica or Reply	tion appears on th	e cover sheet with	the correspondence add	ress				
THE - Exte after - If the - If NO - Failt Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nsions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30) do period for reply is specified above, the maximum statutoure to reply within the set or extended period for reply will, reply received by the Office later than three months after ed patent term adjustment. See 37 CFR 1.704(b).	ATION. TOFR 1.136(a). In no ecation. ays, a reply within the state or properiod will apply and to be stated to the apply state of the apply state	vent, however, may a repl autory minimum of thirty ( will expire SIX (6) MONTH plication to become ABAN	ly be timely filed  30) days will be considered timely.  IS from the mailing date of this com  NDONED (35 U.S.C. & 133).	munication.				
Status									
1)🖂	Responsive to communication(s) filed of	on <i>05 January 20</i> 0	04.						
2a) 🗌									
3)	, <del>_</del>								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposit	ion of Claims								
4)⊠	Claim(s) <u>1-20</u> is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.								
5)⊠	Claim(s) 12-15 is/are allowed.			•					
6)⊠	Claim(s) <u>1,4,5,16,18 and 20</u> is/are reject	cted.							
7)🖂	Claim(s) <u>2,3,6-11,17 and 19</u> is/are obje								
8)[	Claim(s) are subject to restriction	n and/or election	requirement.						
Applicat	ion Papers								
9)	The specification is objected to by the E	xaminer.							
10)[	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
	Applicant may not request that any objection								
	Replacement drawing sheet(s) including the								
11)	The oath or declaration is objected to by	y the Examiner. N	ote the attached C	Office Action or form PTC	)-152.				
Priority (	ınder 35 U.S.C. § 119								
	Acknowledgment is made of a claim for ☐ All b) ☐ Some * c) ☑ None of:	foreign priority ur	nder 35 U.S.C. § 1	19(a)-(d) or (f).					
a)	1. ☐ Certified copies of the priority documents have been received.								
	2. Certified copies of the priority does			olication No.					
	3. Copies of the certified copies of t				tage				
	application from the International	Bureau (PCT Ru	le 17.2(a)).						
* 5	See the attached detailed Office action fo	or a list of the cert	ified copies not re	ceived.					
Attachmen	t(s)								
1) 🛭 Notic	e of References Cited (PTO-892)		4) Interview Sun	nmary (PTO-413)					
	e of Draftsperson's Patent Drawing Review (PTO-		Paper No(s)/N	Mail Date rmal Patent Application (PTO-1	50)				
	nation Disclosure Statement(s) (PTO-1449 or PTC r No(s)/Mail Date 	JI3BIU8)	6) Other:		52)				

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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 1, 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Commens et al (US 6396274), and further in view of Smith et al (US 5,122,745).

As regards to claim 1, Commens et al a nuclear magnetic resonance probe (figures 1 and 2, numeral 20; column 4, lines 13-52), including a conduit to provide a sample (figure 1, where acquisition system is connected to the probe 20 for fluid exchange, figure 2, numeral 72 and 74). Further, Commens et al teach a measurement region in fluid communication with the conduit (figure 2, numeral 24). However, Commens et al do not teach at least one restriction element to at least partially restrict flow of the sample from the measurement region in at least one flow direction. Smith et al teach at least one restriction element to at least partially restrict flow of the sample from the measurement region in at least one flow direction (figures 1 and 2, numeral 34 and 40; column 4, lines 41-68). It would have been obvious to one of ordinary skill in the art to adapt teaching of Smith et al with the teaching of Commens to make NMR probe more versatile for stop-flow measurements.

As regards to claims 4 and 5, Commens et al further teach limitations of these claims (figure 2).

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### Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 16, 18 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Smith et al (US 5,122,745).

As regards to claim 16, Smith et al teach a nuclear magnetic resonance probe (column 2 and 3, lines 65-68 and 1-46), including a measurement region to contain a sample (figures 1, 2, numeral 20), and at least one means for controlling flow of the sample from the measurement region during measurement of the sample (figure 2. numeral 34 and 40; column 4, lines 41-65).

As regards to claims 18 and 19, Smith et al further teach the limitations of these claims (figures 1 and 2).

### Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

3. Claims 12-15 are allowed, as the prior art of record does not teach or suggest a nuclear magnetic resonance probe, including at least one valve disposed between the measurement region and the conduit to control a flow of the sample between the measurement region and the conduit, in combination with the remaining limitations of the claims.

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4. Claims 2, 3, 6-11, 17 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the

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limitations of the base claim and any intervening claims.

5. Applicant is advised to submit formal figure drawings.

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Brij B. Shrivastav whose telephone number is 571-272-

2250. The examiner can normally be reached on 7 AM to 4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Diego F. F. Gutierrez can be reached on 571-272-2245. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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Business Center (EBC) at 866-217-9197 (toll-free).

March 25, 2005

Brij B/Shrivastay

Examiner

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